



YOUR PARTNER FOR THE BEST QUALITY

(Registered Copy)

# TEST REPORT

88-2, Yeongdeungpo-Dong 8 street, Yeongdeungpo-Gu, Seoul, KOREA TEL 82-2-2164-0011 FAX 82-2-2634-1008

Report No : MBK-000070

Receipt Date : Jun.13.2008

Client : Jong-Gil, Kim

Test Completion Date : Jul.15.2008

Korea Electric Testing Institute

692-8, Kumjung-dong, 435-050 Kunpo-city, Kyunggi-do, KOREA

Sample : Medical Alkaline water ionzer(X-BLUE)

## TEST RESULTS

| TEST ITEM                              | UNIT    | SAMPLE | RESULT | TEST METHOD   |
|----------------------------------------|---------|--------|--------|---------------|
| Created water: Total Colony Counts     | CFU/mL  | X-BLUE | N.D.   | By the client |
| Created water: Total Coliforms         | -/100ml | X-BLUE | N.D.   | By the client |
| Created water: E. coli/Fecal Coliforms | -/100ml | X-BLUE | N.D.   | By the client |
| Created water:Pb                       | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:F <sup>-</sup>           | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:As                       | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Se                       | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Hg                       | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:CN <sup>-</sup>          | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Cr(VI)                   | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:NH <sub>3</sub> -N       | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:NO <sub>3</sub> - N      | mg/L    | X-BLUE | 0.8    | By the client |
| Created water:Cd                       | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:B                        | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Phenol                   | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Diazinon                 | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Parathion                | mg/L    | X-BLUE | N.D.   | By the client |
| Created water:Fenitrothion             | mg/L    | X-BLUE | N.D.   | By the client |

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Registered copy date: Dec.03.2012

Jul.15.2008

**Korea Testing & Research Institute**

President

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|------------------------------------|------|--------|--------|---------------|
| Created water:Carbaryl             | mg/L | X-BLUE | N.D.   | By the client |
| Created water:THMs(influent)       | mg/L | X-BLUE | 0.007  | By the client |
| Created water:THMs(effluent)       | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Chloroform           | mg/L | X-BLUE | N.D.   | By the client |
| Created water:1,1,1-TCE            | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Tetrachloroethylene  | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Trichloroethylene    | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Dichloromethane      | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Benzene              | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Toluene              | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Ethylbenzene         | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Xylene               | mg/L | X-BLUE | N.D.   | By the client |
| Created water:1,1-Dichloroethylene | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Cabon Tetrachloride  | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Residual Chlorine    | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Chloralhydrate       | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Dibromoacetonitril   | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Dichloroacetonitril  | mg/L | X-BLUE | N.D.   | By the client |
| Created water:Trichloroacetonitril | mg/L | X-BLUE | N.D.   | By the client |

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Sample : Medical Alkaline water ionzer(X-BLUE)

## TEST RESULTS

| TEST ITEM                                    | UNIT   | SAMPLE | RESULT     | TEST METHOD   |
|----------------------------------------------|--------|--------|------------|---------------|
| Created water:DBCP                           | mg/L   | X-BLUE | N.D.       | By the client |
| Created water:Haloacetic acids               | mg/L   | X-BLUE | N.D.       | By the client |
| Created water:Hardness                       | mg/L   | X-BLUE | 56         | By the client |
| Created water:Consumption of $\text{KMnO}_4$ | mg/L   | X-BLUE | 1.6        | By the client |
| Created water:Odor                           | -      | X-BLUE | No Defects | By the client |
| Created water:Taste                          | -      | X-BLUE | No Defects | By the client |
| Created water:Cu                             | mg/L   | X-BLUE | N.D.       | By the client |
| Created water:Color                          | degree | X-BLUE | N.D.       | By the client |
| Created water:Anionic Surfactants            | mg/L   | X-BLUE | N.D.       | By the client |
| Created water:Zn                             | mg/L   | X-BLUE | 0.005      | By the client |
| Created water: $\text{Cl}^-$                 | mg/L   | X-BLUE | 14         | By the client |
| Created water:Residue on Evaporation         | mg/L   | X-BLUE | 96         | By the client |
| Created water:Fe                             | mg/L   | X-BLUE | N.D.       | By the client |
| Created water:Mn                             | mg/L   | X-BLUE | N.D.       | By the client |
| Created water:Turbidity                      | NTU    | X-BLUE | 0.17       | By the client |
| Created water: $\text{SO}_4^{2-}$            | mg/L   | X-BLUE | 18         | By the client |
| Created water:Al                             | mg/L   | X-BLUE | N.D.       | By the client |

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## TEST RESULTS

| TEST ITEM                                  | UNIT | SAMPLE | RESULT       | TEST METHOD   |
|--------------------------------------------|------|--------|--------------|---------------|
| Purification test : Free residual chlorine | %    | X-BLUE | more than 99 | By the client |
| Purification test : Chloroform             | %    | X-BLUE | more than 99 | By the client |
| Purification test : Color                  | %    | X-BLUE | 87           | By the client |
| Purification test : Turbidity              | %    | X-BLUE | 96           | By the client |
| Electrolysis test : pH - 1 stage           | -    | X-BLUE | 9.1          | By the client |
| Electrolysis test : pH - 2 stage           | -    | X-BLUE | 9.2          | By the client |
| Electrolysis test : pH - 3 stage           | -    | X-BLUE | 9.3          | By the client |
| Electrolysis test : pH - 4 stage           | -    | X-BLUE | 9.6          | By the client |

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## TEST RESULTS

| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|-----------|------|--------|--------|-------------|
|-----------|------|--------|--------|-------------|

Influent condition of purification test

Color : 15 degree(effluent : 2 degree)

Turbidity : 5.20 NTU(effluent : 0.19 NTU)

Residual chloride : 2.0 mg/L(effluent : not detected)

Chloroform : 0.2300 mg/L(effluent : not detected)

influent Condition of electrolysis test for pH

Hardness : 48 mg/L

Conductivity : 215 us/cm

Residual chloride : 0.3 mg/L

pH : 7.0

flow of alkaline water : 1.7 L/min

- Test period : Jun 13, 2008 ~ Jul 15, 2008

Annex#1 : Picture of appearance or shape

USAGE : For approval

NOTE : 1. The test results on this test report are only limited to the samples and sample names provided by the customer and KTR do not guarantee the quality of all products of the customer.  
2. This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.  
3. This test report includes the test result performed in accordance with the test method which is presented by client.

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## Annex#1 : Picture of appearance or shape

